

Wind Analysis Summary Report

Site Number

2704

Site Information

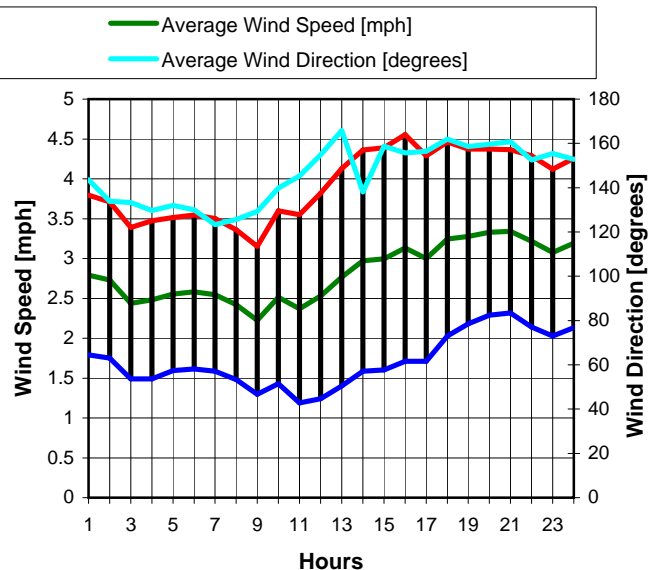
Project: Keith Burch Site
Location: Orofino, ID area
Site Elevation: 3088 ft
Averaging Time: 10 min.

Sensor Information

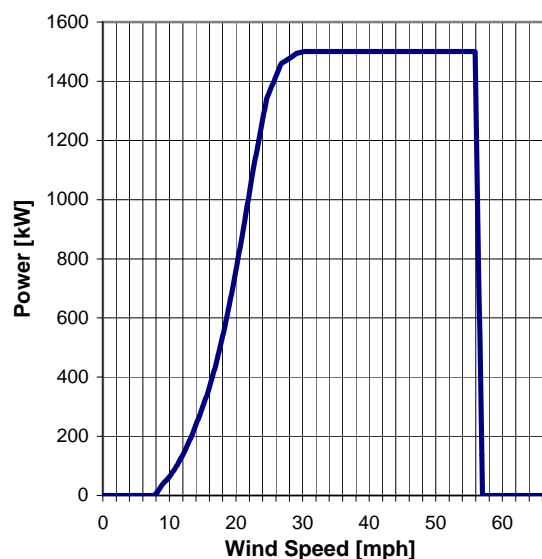
Sensor/Tower Height: 66 ft
Scaled Height: 213 ft
Windvane Offset: 0 degrees

Date Range: 9/15/04 15:30-11/23/04 12:40

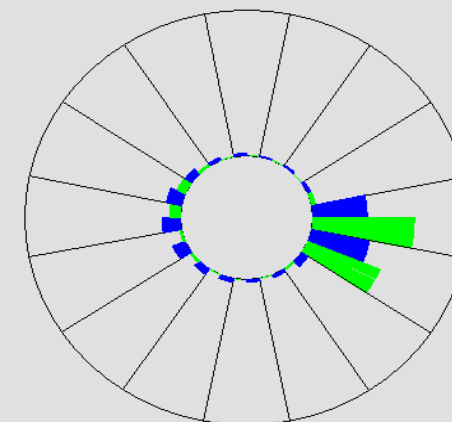
Diurnal Wind Speed Pattern



GE 1.5 S, 70.5m rotor,

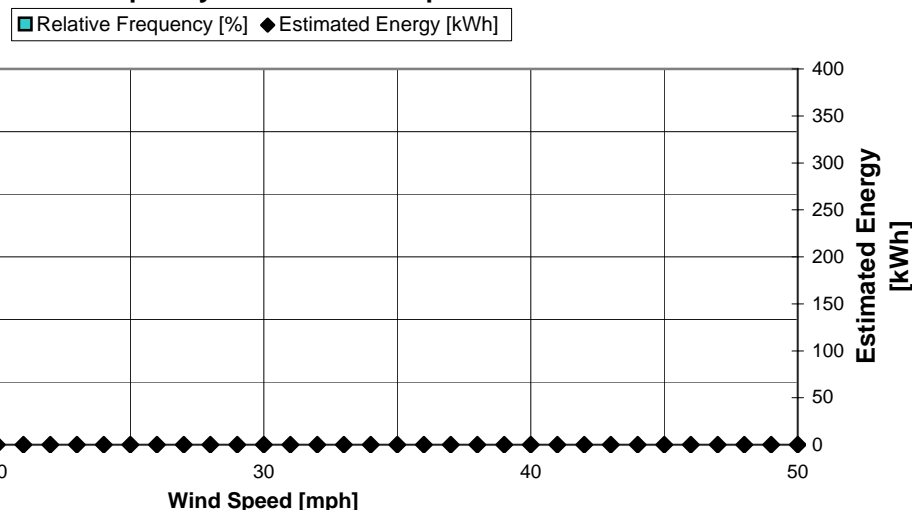


Wind Rose Graph



Percent of Total Wind Energy Inner Circle = 0%
Percent of Total Time Outer Circle = 70%

Frequency Distribution Graph



Statistics

Days Used in Calculation: 68.89
Hours Used in Calculation: 1653.33
Gust Speed: 16.1 mph
Gust Time: 10/9/2004 0:20
Estimated Energy Output: 2059 kWh
Calculated Air Density: 1.113 kg/m³
Average Wind Speed: 2.82 mph
Average Wind Direction: 146 degrees
Capacity Factor: 0.00
Turbine Manufacturer: GE Wind Energy
Turbine Model: GE 1.5 S, 70.5m rotor,
Turbine Rating: 1500 kW
Estimated Annual Production: 10908 kWh/Year
Scaled Est. Annual Production: 26059 kWh/Year
Scaled Air Density: 1.106 kg/m³
Scaled Capacity Factor: 0.00